BIRCH, STEWART, KOLASCH & BIRCH, LLP

PLEASE NOTE: YOU MUST COMPLETE THE

COMBINED DECLARATION AND POWER OF ATTORNEY

0965-0380P

FOR PATENT AND DESIGN APPLICATIONS

FOLLOWING:	As a below named invent stated next to my name; that is named below) or an origin	I verily believe that I nal, first and joint in	am the original, first and ventor (if plural invento	d sole inventor (in ors are named be	f only one	invento			
Insert Title:	matter which is claimed and Twin-drum Cor		sought on the invention		d 400	CEN			
Fill in Appropriate					70	82			
Information -	the specification of which is a				, C. y.	~ 100 s			
For Use Without		n was filed on			_as 🔧	00			
Specification Attached:	United States Appl	ication Number		; and /	'or	<i>-0</i>			
	the specification	n was filed on	July 19, 200	1	as PCT				
		ication Number	DOM / ~ DO 1 / O CO	68 ; and	was				
	amended under PO			(if applical	ble)				
			1.1	, ,		٠, ٠			
	I hereby state that I have reviewed and understand the contents of the above identified specification.								
	including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in Title 37.								
	Code of Federal Regulations, §1.56.								
	I do not know and do not believe the same was ever known or used in the United States of America before								
	my or our invention thereof,								
	our invention thereof or mor								
	on sale in the United States of been patented or made the su								
	country foreign to the United								
	assigns more than twelve mon								
	patent or inventor's certificat								
	America prior to this applicat								
	I hereby claim foreign p								
	application(s) for patent or								
	application for patent or inversion priority is claimed:	entor's certificate h	aving a filing date befor	e that of the app	olication o	on which			
Insert Priority	•								
Information: (if appropriate)	Prior Foreign Application				Priority	Claimed			
(it uppropriate)	2000 - 218659 (Number)	Japan (Country)	July 19 . (Month/Day/Yea		ΧX	Ü			
	2000-226615	Japan	July 27,		Yes XX	No			
	(Number)	(Country)	(Month/Day/Yea		Yes	No			
	2001-15357	Japan		24, 2001	XX				
	(Number)	(Country)	(Month/Day/Yea		Yes	No			
	2001-203798	Japan	July 4,		XX				
	(Number)	(Country)	(Month/Day/Yea	ir riied)	Yes □	No			
	(Number)	(Country)	(Month/Day/Yea	ar Filed)	⊔ Yes	□ No			
	I hereby claim the benef	it under Title 35, U	nited States Code, §119(e) of any United	States pro	ovisional			
Insert Provisional	application(s) listed below.								
Application(s):	The state of the s			(BU) D :)					
(if any)	(Application Number)			(Filing Date)		;			
	(Application Number)		W. C.	(Filing Date)	-				
	All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More Than 12 Months (6								
	Months for Designs) Prior T	To The Filing Date	of This Application:						
Insert Requested	Country		Application No.	Date of F	filing (Month	/Day/Year)			
Information: (if appropriate)									
(I harshy slaim the hanefit under Title 95. Heined Corner Cade 2100 Corner Heined Corner and Heined Cor								
	I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s)								
	listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the								
	prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37,								
	Code of Federal Regulations, §1.56 which became available between the filing date of the prior application								
	and the national or PCT international filing date of this application:								
Insert Prior U.S.									
Application(s):	(Application Number)	(Filin	g Date)	(Status - patented, pendin	ig, abandoned)				

(Filing Date)

(Status - patented, pending, abandoned)

(Application Number)

I hereby appoint the following attorneys to prosecute this application and/or an international application based on this application and to transact all business in the Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the attorneys identified below, unless the inventor(s) or assignee provides said attorneys with a written notice to the contrary:

Terrell C. Birch (Reg. No. 19,382) Raymond C. Stewart (Reg. No. 21,066) Joseph A. Kolasch (Reg. No. 22,463) James M. Slattery (Reg. No. 28,380). Bernard L. Sweeney (Reg. No. 24,448) Michael K. Mutter (Reg. No. 29,680) (Reg. No. 29,271) Charles Gorenstein Gerald M. Murphy, Jr. (Reg. No. 28,977) Leonard R. Svensson (Reg. No. 30,330) Terry L. Clark (Reg. No. 32,644) Andrew D. Meikle (Reg. No. 32,868) Marc S. Weiner (Reg. No. 32,181) (Reg. No. 34,313) Joe McKinney Muncy (Reg. No. 32.334) Donald J. Daley C. Joseph Faraci (Reg. No. 32,350)

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PLEASE NOTE: YOU MUST COMPLETE THE FOLLOWING:

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First or Sole Inventor:	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNA	TURE		DATE*				
Insert Name of Inventor Insert Date This	Keiichi	YAMAMOTO	Kejichi	yama	moto	March	20.	2002		
Document is Signed	Residence (City, State	& Country)		<i>h</i> /	CITIZENSHIP	<u> rarcii</u>	<i>20.</i>	2002		
Insert Residence Insert Citizenship	•	shi, <u>Hiroshi</u> ma			Japan			ł		
Insert Post Office	POST OFFICE ADDRE	SS (Complete Street Address Research & Develo	including City, State	& Country)	TSHT HEAVY	TNDUS	TRIES	. I.Tii		
Address	6-22, Kan-on-s	hin-machi 4-chome	, Nishi-ku,	Hiroshim	a-shi, Hir	oshima	733-	-8553		
Full Name of Second	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNA	TURE / /	,	DATE*	Jar	pan		
Inventor, if any:	Ritsuo	HASHIMOTO	Kitsu	o Hasi	rimoto	March	20,	2002		
see above W	Residence (City, State & Country) Hiroshima-shi, Hiroshima, Japan Japan Japan									
	POST OFFICE ADDRES c/o Hiroshima 6-22, Kan-on-s	SS (Complete Street Address Research & Develo hin-machi 4-chome	including City, State & pment Center , Nishi-ku,	& Country) , MITSUB Hiroshim	ISHI HEAVY a-shi, Hiro	INDUS'	TRIES	, LTI -8553		
Full Name of Third	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNA			DATE*	Jar	ŀ		
Inventor, if any	Mitsuo	TANI	mitou	9 Tas	ri	March	20,	2002		
See abgre	Residence (City, State Hiroshima -	& Country) shi, <u>Hiroshi</u> ma	, Japan V	$\mathcal{V}V$	CITIZENSHIP Japan					
U	c/o Hiroshima .	SS (Complete Street Address Research & Develo hin-machi 4-chome	pment Center , Nishi-ku, 1	, MITSUB Hiroshim	ISHI HEAVY a-shi, Hiro	INDUST oshima	TRIES 733-	, LTI		
Full Name of Fourth Inventor, if any	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNA	TURE		DATE*	Japa	ın		
see above	Kazutoshi	YOKOO	Kazutosh	i Yoko	v	March	20,	2002		
211N	7	shi, Hiroshima	$\overline{}$	$\mathcal{P}V$	CITIZENSHIP Japan					
90	POST OFFICE ADDRESS (Complete Street Address including City, State & Country) c/o Hiroshima Research & Development Center, MITSUBISHI HEAVY INDUSTRIES, LTD 6-22, Kan-on-shin-machi 4-chome, Nishi-ku, Hiroshima-shi, Hiroshima 733-8553									
Full Name of Fifth Inventor, if any	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNA	TURE		DATE*	Japa	in		
see above	Jyoji	YUSA	Jyoji	Yusa		March :	20, 2	2002		
	Residence (City, State & Country)									
$\mathcal{S} \mathcal{W}$	Hiroshima-shi, Hiroshima, Japan O D Japan									
O	POST OFFICE ADDRESS (Complete Street Address including City, State & Country) C/O Hiroshima Machinery Works, MITSUBISHI HEAVY INDUSTRIES, LTD. 6-22,									
4	Kan-on-shin-machi 4-chome, Nishi-ku, Hiroshima-shi, Hiroshima 733-8553 Japar									
Page 2 of ₹ (USPTO Approved 3-90) (Revised 8-97)	* DATE OF SIGNATURE									

. Civth								
Full Name of Sixth	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNA	TURE	1	DATE.		
Insert Name of Inventor Insert Date This Document is Signed	Kunimasa	SASAKI	佐北	PPI	企	March 20	, 200	
שוחוי	Residence (City, State	& Country)	7.12	7	CITIZENSHIP			
Insert Residence Insert Citizenship		u, Tokyo, Japa	<u> </u>	ľ	Japan			
Insert Post Office	TC/O MHI STEEL	SS (Complete Street Address MACHINERY ENGINE acho, Shinjuku-ku	FRINC & CEDV	TOP OO	LTD. oan			
Full Name of Seventh	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNA	TURE	la /	DATE*		
Inventor, if any:	Katsuyoshi	MIYAKE	To stay	: Ls (1)	11: Yela	March 20	, 200	
366 70046	Residence (City, State			0/	CITIZENSHIP			
JM		shi, Hiroshima		XX	Japan			
1.	c/o Hiroshima 1 Kan-on-shin-m	SS (Complete Street Address Machinery Works, achi 4-chome, Nis	including City, State & MITSUBISHI HE hi-ku, Hirosh	Country) EAVY IND nima-shi	USTRIES, L.	ID. 6-22 a 733-003	, 6 Japa	
Full Name of Eighth	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNAT	TURE		DATE		
laventor, if any	Katsuyuki	ISOGAMI	汤 3	上格	纤	March 20,	, 2002	
でジレ	Residence (City, State	• • • • • • • • • • • • • • • • • • • •	10		CITIZENSHIP	<u> </u>		
χυ		, Yamaguchi, J	- <i>Or</i>	\bigvee	Japan			
	POST OFFICE ADDRESS (Complete Street Address including City State & Country) C/O NIPPON STEEL CORPORATION, HIKARI WORKS 3434, Oaza-Shimata, Hikari-shi, Yamaquchi 743-8510 Japan							
37.2 m. 4.1m	3434, Oaza-	Shimata, Hikar	i-shi, Yama	guchi.	743-8510) Japan		
Full Name of Ninth Inventor, if any	GIVEN NAME (Mamoru	FAMILY NAME YAMADA	INVENTOR'S SIGNAT		mada	DATE. March 20,	2002	
see above	Residence (City, State &	3 Country)	VIVICATION		CITIZENSHIP	Plateit 20,	2002	
au	H <u>ikari-</u> shi	, Yamaguchi, Ja		\mathcal{A}	Japan			
v	POST OFFICE ADDRES C/O NIPPON S 3434, Oaza-S	S (Complete Street Address STEEL CORPORAT Shimata, Hikar	ncluding City, State & ION, HIKARI i-shi, Yama	Country) WORKS	743-8510	Japan		
Full Name of Tenth	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNAT	URE		DATE*		
Inventor, if any see above	Tsuyoshi	TANAKA	Tsujoshi	Tanak	a	March 20,	2002	
	Residence (City, State 8		V	-1/1/	CITIZENSHIP			
iltWl		, Yamaguchi,	=	JPX	Japan			
70.	POST OFFICE ADDRESS (Complete Street Address including City, State & Country) C/O NIPPON STEEL CORPORATION, HIKARI WORKS 3434, Oaza-Shimata, Hikari-shi, Yamaguchi 743-8510 Japan							
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(Revised 8-97)								

• ** - :								
Full Name of Eleventh	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE		DATE			
Insert Name of Inventor	Takashi	ARAI	Jahashi A	nni 🔉	March 20,	2002		
Document is Signed	Residence (City, State & 0	Country)		CITIZENSHIP:				
Insert Residence Insert Citizenship		Yamaguchi, J	-	1	SHEET Y YOU	••		
Insert Post Office Address	3434, Oaza-Sl	(Complete Street Address TEEL CORPORAT himata, Hikar	including City State & County ION, HIKARI WO i-shi, Yamaguc	ŘKS hi 743-8510	÷-))		
Full Name of Twelfth	GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE	_	DATE			
luventor, if any:	Tadahiro	IZU	Fadahire O	In.	March 20,	2002		
Sec 20010	Residence (City, State & C	Country)		CITIZENSHIP	*·····			
	•	Yamaguchi, J	-	Japan				
	POST OFFICE ADDRESS (Complete Street Address including City, State & Country) c/o NIPPON STEEL CORPORATION, HIKARI WORKS 3434, Oaza-Shimata, Hikari-shi, Yamaguchi 743-8510 Japan							
Full Name of Thirteent	n GIVEN NAME P	AMILY NAME	INVENTOR'S SIGNATURE		DATE			
Inventor, if any	Keiji :	TSUNENARI	Keiji Tsun	enari	March 20,	2002		
,	Residence (City, State & C	Country)		CITIZENSHIP	*			
		Chiba, Japan		Japan				
	C/O NIPPON ST 20-1, Shintor	(Complete Street Address in FEEL_CORPORAT in Futtsu-sh	ncluding City, State & Countr ION, Technical i, Chiba 293-8!	Developmen 511 Japan	t Bureau			
Full Name of Fourteent	1 GIVEN NAME F	AMILY NAME	INVENTOR'S SIGNATURE		DATE			
loventor, if any		YAMAMURA	Kazuto Cy.	amanura	March 20,	2002		
	Residence (City, State & C	Country)		CITIZENSHIP				
		Chiba, Japan	-	Japan		ĺ		
	20-1, Shinton	(Complete Street Address in FEEL CORPORAT mi, Futtsu-sh	ncluding City, State & Country ION,Technical i,Chiba 293-85	Developmen	t Bureau			
	GIVEN NAME FA	AMILY NAME	INVENTOR'S SIGNATURE		DATE.			
Inventor, if any		IZAKI	Hiroshi Iz	oki	March 20,	2002		
ł	Residence (City, State & Co	ountry)		CITIZENSHIP				
<u>[</u>		Yamaguchi, J	_	Japan		1		
	POST OFFICE ADDRESS (CONTPONS)	Complete Street Address in FEEL CORPORAT	Cluding City State & County	RKS	,			
1	3434, Oaza-Shimata, Hikari-shi, Yamaquchi 743-8510 Japan							

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